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\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	JUL 02	LMEDLINE coverage updated
NEWS	3	JUL 02	SCISEARCH enhanced with complete author names
NEWS	4	JUL 02	CHEMCATS accession numbers revised
NEWS	5	JUL 02	CA/CAPplus enhanced with utility model patents from China
NEWS	6	JUL 16	CAPplus enhanced with French and German abstracts
NEWS	7	JUL 18	CA/CAPplus patent coverage enhanced
NEWS	8	JUL 26	USPATFULL/USPAT2 enhanced with IPC reclassification
NEWS	9	JUL 30	USGENE now available on STN
NEWS	10	AUG 06	CAS REGISTRY enhanced with new experimental property tags
NEWS	11	AUG 06	FSTA enhanced with new thesaurus edition
NEWS	12	AUG 13	CA/CAPplus enhanced with additional kind codes for granted patents
NEWS	13	AUG 20	CA/CAPplus enhanced with CAS indexing in pre-1907 records
NEWS	14	AUG 27	Full-text patent databases enhanced with predefined patent family display formats from INPADOCDB
NEWS	15	AUG 27	USPATOLD now available on STN
NEWS	16	AUG 28	CAS REGISTRY enhanced with additional experimental spectral property data
NEWS	17	SEP 07	STN AnaVist, Version 2.0, now available with Derwent World Patents Index
NEWS	18	SEP 13	FORIS renamed to SOFIS
NEWS	19	SEP 13	INPADOCDB enhanced with monthly SDI frequency
NEWS	20	SEP 17	CA/CAPplus enhanced with printed CA page images from 1967-1998
NEWS	21	SEP 17	CAPplus coverage extended to include traditional medicine patents
NEWS	22	SEP 24	EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS	23	OCT 02	CA/CAPplus enhanced with pre-1907 records from Chemisches Zentralblatt
NEWS	24	OCT 19	BEILSTEIN updated with new compounds
NEWS EXPRESS	19	SEPTEMBER 2007:	CURRENT WINDOWS VERSION IS V8.2, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 19 SEPTEMBER 2007.
NEWS HOURS			STN Operating Hours Plus Help Desk Availability
NEWS LOGIN			Welcome Banner and News Items
NEWS IPC8			For general information regarding STN implementation of IPC 8

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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 16:05:54 ON 31 OCT 2007

=> file medline, agricola, caba, caplus, biosis, biotechno		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'MEDLINE' ENTERED AT 16:06:28 ON 31 OCT 2007

FILE 'AGRICOLA' ENTERED AT 16:06:28 ON 31 OCT 2007

FILE 'CABA' ENTERED AT 16:06:28 ON 31 OCT 2007

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FILE 'CAPLUS' ENTERED AT 16:06:28 ON 31 OCT 2007

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Copyright (c) 2007 The Thomson Corporation

FILE 'BIOTECHNO' ENTERED AT 16:06:28 ON 31 OCT 2007

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=> s (zhang s? or zhang, s?)/au  
L1 44047 (ZHANG S? OR ZHANG, S?)/AU

=> s (carrier, r? or carrier r?)/au  
L2 222 (CARRIER, R? OR CARRIER R?)/AU

=> s (lemaux, p? or lemaux p?)/au  
L3 383 (LEMAUX, P? OR LEMAU P?)/AU

=> s l1 and l2 and l3  
L4 0 L1 AND L2 AND L3

=> s l1 or l2 or l3  
L5 44575 L1 OR L2 OR L3

=> s l5 and (corn or maize or zea)  
L6 634 L5 AND (CORN OR MAIZE OR ZEA)

=> s l6 and shoot(w)meristem  
L7 18 L6 AND SHOOT(W) MERISTEM

=> duplicate remove l7  
DUPLICATE PREFERENCE IS 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO'  
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n  
PROCESSING COMPLETED FOR L7  
L8 7 DUPLICATE REMOVE L7 (11 DUPLICATES REMOVED)

=> d l8 1-7 ti

L8 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN DUPLICATE 1  
TI Transformation of recalcitrant maize elite inbreds using in  
vitro shoot meristematic cultures induced from germinated seedlings

L8 ANSWER 2 OF 7 MEDLINE on STN DUPLICATE 2  
TI Similarity of expression patterns of knotted1 and ZmLEC1 during somatic  
and zygotic embryogenesis in maize ( Zea mays L.).

L8 ANSWER 3 OF 7 BIOSIS COPYRIGHT (c) 2007 The Thomson Corporation on STN

TI Genetic transformation of commercial cultivars of oat (*Avena sativa* L.) and barley (*Hordeum vulgare* L.) using in vitro shoot meristematic cultures derived from germinated seedlings.

L8 ANSWER 4 OF 7 MEDLINE on STN DUPLICATE 3

TI Expression of CDC2Zm and KNOTTED1 during in-vitro axillary shoot meristem proliferation and adventitious shoot meristem formation in maize (*Zea mays* L.) and barley (*Hordeum vulgare* L.).

L8 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN

TI The competence of maize shoot meristems for integrative transformation and inherited expression of transgenes

L8 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN

TI Transient gene expression in vegetative shoot apical meristems of wheat after ballistic microtargeting

L8 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN

TI Transient gene expression in vegetative shoot apical meristems of wheat after ballistic microtargeting

=> d 18 1-7 bib

L8 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN DUPLICATE 1

AN 2002:799821 CAPLUS

DN 138:184038

TI Transformation of recalcitrant maize elite inbreds using in vitro shoot meristematic cultures induced from germinated seedlings

AU Zhang, S.; Williams-Carrier, R.; Lemaux, P. G.

CS Department of Plant and Microbial Biology, University of California, Berkeley, CA, 94720, USA

SO Plant Cell Reports (2002), 21(3), 263-270

CODEN: PCRPD8; ISSN: 0721-7714

PB Springer-Verlag

DT Journal

LA English

RE.CNT 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 2 OF 7 MEDLINE on STN DUPLICATE 2

AN 2002289241 MEDLINE

DN PubMed ID: 12029467

TI Similarity of expression patterns of knotted1 and ZmLEC1 during somatic and zygotic embryogenesis in maize (*Zea mays* L.).

AU Zhang Shibo; Wong Laurie; Meng Ling; Lemaux Peggy G

CS Department of Plant and Microbial Biology, University of California, Berkeley, CA 94720, USA.

SO Planta, (2002 Jun) Vol. 215, No. 2, pp. 191-4. Electronic Publication: 2002-03-20.

Journal code: 1250576. ISSN: 0032-0935.

CY Germany: Germany, Federal Republic of

DT (COMPARATIVE STUDY)

Journal; Article; (JOURNAL ARTICLE)

(RESEARCH SUPPORT, NON-U.S. GOV'T)

(RESEARCH SUPPORT, U.S. GOV'T, NON-P.H.S.)

LA English

FS Priority Journals

EM 200209

ED Entered STN: 28 May 2002

Last Updated on STN: 5 Jan 2003

Entered Medline: 12 Sep 2002

L8 ANSWER 3 OF 7 BIOSIS COPYRIGHT (c) 2007 The Thomson Corporation on STN

AN 1999:490627 BIOSIS  
DN PREV199900490627  
TI Genetic transformation of commercial cultivars of oat (*Avena sativa* L.) and barley (*Hordeum vulgare* L.) using in vitro shoot meristematic cultures derived from germinated seedlings.  
AU Zhang, S.; Cho, M.-J.; Koprek, T.; Yun, R.; Bregitzer, P.; Lemaux, P. G. [Reprint author]  
CS Department of Plant and Microbial Biology, University of California, Berkeley, CA, 94720, USA  
SO Plant Cell Reports, (Sept., 1999) Vol. 18, No. 12, pp. 959-966. print. CODEN: PCRPD8. ISSN: 0721-7714.  
DT Article  
LA English  
ED Entered STN: 16 Nov 1999  
Last Updated on STN: 16 Nov 1999

L8 ANSWER 4 OF 7 MEDLINE on STN DUPLICATE 3  
AN 1998348998 MEDLINE  
DN PubMed ID: 9684373  
TI Expression of CDC2Zm and KNOTTED1 during in-vitro axillary shoot meristem proliferation and adventitious shoot meristem formation in maize (*Zea mays* L.) and barley (*Hordeum vulgare* L.).  
AU Zhang S; Williams-Carrier R; Jackson D; Lemaux P G  
CS Department of Plant and Microbial Biology, University of California, Berkeley 94720, USA.. shibo@nature.berkeley.edu  
SO Planta, (1998 Apr) Vol. 204, No. 4, pp. 542-9. Journal code: 1250576. ISSN: 0032-0935.  
CY GERMANY: Germany, Federal Republic of  
DT Journal; Article; (JOURNAL ARTICLE)  
(RESEARCH SUPPORT, NON-U.S. GOV'T)  
(RESEARCH SUPPORT, U.S. GOV'T, NON-P.H.S.)  
LA English  
FS Priority Journals  
EM 199808  
ED Entered STN: 3 Sep 1998  
Last Updated on STN: 3 Sep 1998  
Entered Medline: 25 Aug 1998

L8 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN  
AN 1996:231040 CAPLUS  
DN 124:280484  
TI The competence of maize shoot meristems for integrative transformation and inherited expression of transgenes  
AU Zhong, Heng; Sun, Baolin; Warkentin, Donald; Zhang, Shibo; Wu, Ray; Wu, Tiyun; Sticklen, Mariam B.  
CS Pesticide Res. Cent., Michigan State Univ., East Lansing, MI, 48824-1311, USA  
SO Plant Physiology (1996), 110(4), 1097-107  
CODEN: PLPHAY; ISSN: 0032-0889  
PB American Society of Plant Physiologists  
DT Journal  
LA English

L8 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN  
AN 1994:126332 CAPLUS  
DN 120:126332  
TI Transient gene expression in vegetative shoot apical meristems of wheat after ballistic microtargeting  
AU Bilang, Roland; Zhang, Shibo; Leduc, Nathalie; Iglesias, Victor A.; Giscl, Andreas; Simmonds, John; Potrykus, Ingo; Sautter, Christof  
CS Inst. Plant Sci., Swiss Fed. Inst. Technol., Zurich, CH-8092, Switz.  
SO Journal of Composite Materials (1993), 27(17), 735-44  
CODEN: JCOMBI; ISSN: 0021-9983  
DT Journal

LA English

L8 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN  
 AN 1994:290998 CAPLUS  
 Correction of: 1994:126332  
 DN 120:290998  
 Correction of: 120:126332  
 TI Transient gene expression in vegetative shoot apical meristems of wheat  
 after ballistic microtargeting  
 AU Bilang, Roland; Zhang, Shibo; Leduc, Nathalie; Iglesias, Victor  
 A.; Gisel, Andreas; Simmonds, John; Potrykus, Ingo; Sautter, Christof  
 CS Inst. Plant Sci., Swiss Fed. Inst. Technol., Zurich, CH-8092, Switz.  
 SO Plant Journal (1993), 4(4), 735-44  
 CODEN: PLJUED; ISSN: 0960-7412  
 DT Journal  
 LA English

=> d his

(FILE 'HOME' ENTERED AT 16:05:54 ON 31 OCT 2007)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO' ENTERED AT  
 16:06:28 ON 31 OCT 2007

L1 .44047 S (ZHANG S? OR ZHANG, S?)/AU  
 L2 222 S (CARRIER, R? OR CARRIER R?)/AU  
 L3 383 S (LEMAUX, P? OR LEMAU P?)/AU  
 L4 0 S L1 AND L2 AND L3  
 L5 44575 S L1 OR L2 OR L3  
 L6 634 S L5 AND (CORN OR MAIZE OR ZEA)  
 L7 18 S L6 AND SHOOT(W)MERISTEM  
 L8 7 DUPLICATE REMOVE L7 (11 DUPLICATES REMOVED)

=> s l6 and (transform or transformed or transformation)

L9 123 L6 AND (TRANSFORM OR TRANSFORMED OR TRANSFORMATION)

=> s l9 not l7

L10 110 L9 NOT L7

=> s l10 and meristem

L11 1 L10 AND MERISTEM

=> d l11 ti

L11 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN

TI Methods and compositions for the production of stably transformed  
 , fertile monocotyledonous plants and cells

=> d l11 1 bib

L11 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN  
 AN 1991:242093 CAPLUS  
 DN 114:242093  
 TI Methods and compositions for the production of stably transformed  
 , fertile monocotyledonous plants and cells  
 IN Adams, Thomas R.; Adams, Whitney R., Jr.; Chambers, Sheryl A.; Daines,  
 Richard J.; Gordon-Kamm, William J.; Kausch, Albert P.; Krueger, Roger W.;  
 Lemaux, Peggy G.; Mackey, Catherine J.; et al.  
 PA DeKalb Plant Genetics, USA  
 SO PCT Int. Appl., 110 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 8

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9102071	A2	19910221	WO 1990-US4462	19900808
	WO 9102071	A3	19920514		
	W: AT, AU, BB, BG, BR, CA, CH, DE, DK, ES, FI, GB, HU, JP, KP, KR, LK, LU, MC, MG, MW, NL, NO, RO, SD, SE, SU				
	RW: AT, BE, BF, BJ, CF, CG, CH, CM, DE, DK, ES, FR, GA, GB, IT, LU, ML, MR, NL, SE, SN, TD, TG				
	CA 2064761	A1	19910210	CA 1990-2064761	19900808
	CA 2064761	C	20060613		
	AU 9062903	A	19910311	AU 1990-62903	19900808
	AU 644097	B2	19931202		
	EP 485506	A1	19920520	EP 1990-912722	19900808
	EP 485506	B1	19971112		
	R: AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, LU, NL, SE				
	BR 9007588	A	19920630	BR 1990-7588	19900808
	HU 60781	A2	19921028	HU 1992-394	19900808
	JP 05501352	T	19930318	JP 1990-512239	19900808
	AT 160174	T	19971115	AT 1990-912722	19900808
	EP 814166	A2	19971229	EP 1997-108223	19900808
	EP 814166	A3	19980513		
	R: AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, LU, NL, SE				
	ES 2110417	T3	19980216	ES 1990-912722	19900808
	US 5874265	A	19990223	US 1995-446931	19950523
	US 5919675	A	19990706	US 1995-446933	19950523
	US 5969213	A	19991019	US 1995-446930	19950523
	US 6399861	B1	20020604	US 1995-447985	19950523
	US 6803499	B1	20041012	US 1997-852340	19970507
PRAI	US 1989-392176	A	19890809		
	US 1990-513298	A	19900417		
	EP 1990-912722	A3	19900808		
	WO 1990-US4462	W	19900808		
	US 1990-565844	A1	19900809		
	US 1993-113561	A3	19930825		
	US 1994-233067	A1	19940426		

=> d l11 kwic

L11 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN

TI Methods and compositions for the production of stably transformed , fertile monocotyledonous plants and cells

IN . . . R.; Adams, Whitney R., Jr.; Chambers, Sheryl A.; Daines, Richard J.; Gordon-Kamm, William J.; Kausch, Albert P.; Krueger, Roger W.; Lemaux, Peggy G.; Mackey, Catherine J.; et al.

AB . . . is described. The recipient cells may be callus, gametic, or meristematic cells, or embryogenic cells grown in suspension culture. The transformed cells are cultured in a medium containing an embryogenesis-promoting hormone until embryogenic callus tissue forms; the callus is transferred to. . . and these cells are transferred to a minimal medium (e.g. Clark's medium) to allow hardening of the plant. Fertile, transgenic maize plants expressing the bar gene were prepared by this method.

ST plant monocotyledonous fertile transgenic; maize fertile transgenic

IT Culture media  
(Charbis media, in regeneration of fertile transgenic monocot plants from transformed cells)

IT Barley  
Corn  
Oat  
Rice  
Wheat  
(fertile transgenic, regeneration from transformed cells of)

IT Herbicide resistance

(gene for, monocot cell transformation with, regeneration of fertile transgenic plants in relation to)

IT Plasmid and Episome  
(monocot cell transformation with, regeneration of fertile transgenic plants in relation to)

IT Transformation, genetic  
(of monocot cells, regeneration of fertile transgenic plants after)

IT Gamete and Germ cell  
(plant, transformation of, regeneration of fertile transgenic plants in)

IT Fungi  
Insect  
(resistance to, gene for, monocot cell transformation with, regeneration of fertile transgenic plants in relation to)

IT Proteins, specific or class  
RL: BIOL (Biological study)  
(antifreeze, gene for, monocot cell transformation with, regeneration of fertile transgenic plants in relation to)

IT Plant tissue  
(callus, of monocots, transformation of, regeneration of fertile transgenic plants from)

IT Plant tissue  
(meristem, of monocots, transformation of, regeneration of fertile transgenic plants from)

IT Plant  
(monocotyledonous, fertile transgenic, regeneration from transformed cells of)

IT Plant tissue culture  
(suspension, transformation of, regeneration of fertile transgenic plants in)

IT Gene and Genetic element, plant  
(transposable element, monocot cell transformation with DNA containing, production of fertile transgenic plants in relation to)

IT Gene and Genetic element, plant  
(DS element, monocot cell transformation with DNA containing, regeneration of fertile transgenic plants in relation to)

IT Gene and Genetic element, plant  
RL: BIOL (Biological study)  
(Mu element, monocot cell transformation with DNA containing, regeneration of fertile transgenic plants in relation to)

IT Gene and Genetic element, microbial  
RL: BIOL (Biological study)  
(bar, monocot cell transformation with DNA containing, regeneration of fertile transgenic plants in relation to)

IT Gene and Genetic element, microbial  
RL: BIOL (Biological study)  
(neo, monocot cell transformation with DNA containing, regeneration of fertile transgenic plants in relation to)

IT 1918-00-9P, Dicamba  
RL: PREP (Preparation)  
(fertile transgenic monocot regeneration from transformed cells using, as embryogenesis-promoting hormone)

IT 94-75-7P, 2,4-D, biological studies  
RL: BIOL (Biological study); PREP (Preparation)  
(fertile transgenic monocot regeneration from transformed cells using, as embryogenesis-promoting or tissue-organizing hormone)

IT 86-87-3P, NAA 87-51-4P, 1H-Indole-3-acetic acid, biological studies  
87-89-8P, Myo-Inositol 133-32-4P, IBA 1214-39-7P, BAP 21293-29-8P  
97856-37-6P  
RL: PREP (Preparation)  
(fertile transgenic monocot regeneration from transformed cells using, as tissue organizing hormone)

IT 9001-45-0,  $\beta$ -Glucuronidase 9024-90-2, Nitrilase 9027-45-6, Acetolactate synthase 9068-73-9, EPSP Synthase  
RL: PRP (Properties)

(gene for, monocot cell transformation with, production of  
fertile transgenic plants in relation to)  
IT 7440-34-8, Actinium, biological studies  
RL: BIOL (Biological study)  
(monocot cell transformation with DNA containing, regeneration of  
fertile transgenic plants in relation to)

=> d his

(FILE 'HOME' ENTERED AT 16:05:54 ON 31 OCT 2007)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO' ENTERED AT  
16:06:28 ON 31 OCT 2007

L1 44047 S (ZHANG S? OR ZHANG, S?)/AU  
L2 222 S (CARRIER, R? OR CARRIER R?)/AU  
L3 383 S (LEMAUX, P? OR LEMAX P?)/AU  
L4 0 S L1 AND L2 AND L3  
L5 44575 S L1 OR L2 OR L3  
L6 634 S L5 AND (CORN OR MAIZE OR ZEA)  
L7 18 S L6 AND SHOOT(W)MERISTEM  
L8 7 DUPLICATE REMOVE L7 (11 DUPLICATES REMOVED)  
L9 123 S L6 AND (TRANSFORM OR TRANSFORMED OR TRANSFORMATION)  
L10 110 S L9 NOT L7  
L11 1 S L10 AND MERISTEM

=> s meristem(s)shoot(s)(corn or zea or maize)

L12 380 MERISTEM(S) SHOOT(S)(CORN OR ZEA OR MAIZE)

=> s l12 and (transform or transformed or transformation)

L13 51 L12 AND (TRANSFORM OR TRANSFORMED OR TRANSFORMATION)

=> duplicate remove l13

DUPLICATE PREFERENCE IS 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO'  
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n  
PROCESSING COMPLETED FOR L13

L14 20 DUPLICATE REMOVE L13 (31 DUPLICATES REMOVED)

=> s l14 not l5

L15 17 L14 NOT L5

=> d l15 1-10 ti

L15 ANSWER 1 OF 17 MEDLINE on STN

TI Shoot meristem: an ideal explant for Zea  
mays L. transformation.

L15 ANSWER 2 OF 17 MEDLINE on STN

TI Additional vegetative growth in maize reflects expansion of fates in  
preexisting tissue, not additional divisions by apical initials.

L15 ANSWER 3 OF 17 MEDLINE on STN

TI Anaerobic induction and tissue-specific expression of maize Adh1 promoter  
in transgenic rice plants and their progeny.

L15 ANSWER 4 OF 17 AGRICOLA Compiled and distributed by the National  
Agricultural Library of the Department of Agriculture of the United States  
of America. It contains copyrighted materials. All rights reserved.  
(2007) on STN.

TI Transformation of maize by 2,4-dihydroxy-7-methoxy-2H-1,4-  
benzoxazin-3(4H)-one resistant Agrobacterium strains.

L15 ANSWER 5 OF 17 AGRICOLA Compiled and distributed by the National  
Agricultural Library of the Department of Agriculture of the United States  
of America. It contains copyrighted materials. All rights reserved.



(2007) on STN

TI Characterization of the KNOX class homeobox genes Oskn2 and Oskn3 identified in a collection of cDNA libraries covering the early stages of rice embryogenesis.

L15 ANSWER 6 OF 17 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2007) on STN

TI Herbicide safener-inducible gene expression in Arabidopsis thaliana.

L15 ANSWER 7 OF 17 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2007) on STN

TI Competence of immature maize embryos for Agrobacterium-mediated gene transfer.

L15 ANSWER 8 OF 17 CABA COPYRIGHT 2007 CABI on STN

TI Shoot apical meristem: a sustainable explant for genetic transformation of cereal crops.

L15 ANSWER 9 OF 17 CABA COPYRIGHT 2007 CABI on STN

TI A homeobox gene with potential developmental control function in the meristem of the conifer Picea abies.

L15 ANSWER 10 OF 17 CABA COPYRIGHT 2007 CABI on STN

TI Transformation of the maize apical meristem: transgenic sector reorganization and germline transmission.

=> d l15 1,8,10 bib

L15 ANSWER 1 OF 17 MEDLINE on STN

AN 2003200890 MEDLINE

DN PubMed ID: 12723048

TI Shoot meristem: an ideal explant for Zea mays L. transformation.

AU Sairam R V; Parani M; Franklin G; Lifeng Z; Smith B; MacDougall J; Wilber C; Sheikhi H; Kashikar N; Meeker K; Al-Abed D; Berry K; Vierling R; Goldman S L

CS Plant Science Research Center, The University of Toledo, Toledo, OH 43606, U.S.A.

SO Genome / National Research Council Canada = Genome / Conseil national de recherches Canada, (2003 Apr) Vol. 46, No. 2, pp. 323-9. Journal code: 8704544. ISSN: 0831-2796.

CY Canada

DT Journal; Article; (JOURNAL ARTICLE)  
(RESEARCH SUPPORT, NON-U.S. GOV'T)  
(RESEARCH SUPPORT, U.S. GOV'T, NON-P.H.S.)

LA English

FS Priority Journals

EM 200403

ED Entered STN: 1 May 2003  
Last Updated on STN: 25 Mar 2004  
Entered Medline: 24 Mar 2004

L15 ANSWER 8 OF 17 CABA COPYRIGHT 2007 CABI on STN

AN 2006:125904 CABA

DN 20063094117

TI Shoot apical meristem: a sustainable explant for genetic transformation of cereal crops

AU Sticklen, M. B.; Oraby, H. F.

CS 362 Plant and Soil Science Building, Department of Crop and Soil Sciences, Michigan State University, East Lansing, MI 48824, USA. sticklel@msu.edu

SO In Vitro Cellular & Developmental Biology - Plant, (2005) Vol. 41, No. 3,  
pp. 187-200. many ref.  
Publisher: CABI Publishing. Wallingford  
ISSN: 1054-5476  
URL: <http://www.ingenta.com/journals/browse/cabi/ivp>  
DOI: 10.1079/IVP2004616

CY United Kingdom  
DT Journal  
LA English  
ED Entered STN: 3 Aug 2006  
Last Updated on STN: 3 Aug 2006

L15 ANSWER 10 OF 17 CABA COPYRIGHT 2007 CABI on STN  
AN 1998:71803 CABA  
DN 19981604614  
TI Transformation of the maize apical meristem: transgenic sector  
reorganization and germline transmission  
AU Lowe, K.; Ross, M.; Sandahl, G.; Miller, M.; Hoerster, G.; Church, L.;  
Tagliani, L.; Bond, D.; Gordon-Kamm, W.; Tsaftaris, A. S. [EDITOR]  
CS Pioneer Hi-Bred International Inc., Johnston, IA 50131-1004, USA.  
SO Proceedings of the XVIIth conference on genetics, biotechnology and  
breeding of maize and sorghum held at Thessaloniki, Greece, 20-25 October  
1996, (1997) pp. 94-97. 7 ref.  
Publisher: Royal Society of Chemistry. Cambridge  
Meeting Info.: Proceedings of the XVIIth conference on genetics,  
biotechnology and breeding of maize and sorghum held at Thessaloniki,  
Greece, 20-25 October 1996.  
ISBN: 0-85404-762-X

CY United Kingdom  
DT Conference Article  
LA English  
ED Entered STN: 12 May 1998  
Last Updated on STN: 12 May 1998

=> d 115 11-17 ti

L15 ANSWER 11 OF 17 CABA COPYRIGHT 2007 CABI on STN  
TI Homeobox genes in the functioning of plant meristems.

L15 ANSWER 12 OF 17 CABA COPYRIGHT 2007 CABI on STN  
TI Germline transformation of maize following manipulation of  
chimeric shoot meristems.

L15 ANSWER 13 OF 17 CABA COPYRIGHT 2007 CABI on STN  
TI Agrobacterium tumefaciens-mediated expression of gusA in maize tissues.

L15 ANSWER 14 OF 17 CABA COPYRIGHT 2007 CABI on STN  
TI More knots untied.

L15 ANSWER 15 OF 17 CABA COPYRIGHT 2007 CABI on STN  
TI Clonal analysis of the cell lineages in the male flower of maize.

L15 ANSWER 16 OF 17 CAPLUS COPYRIGHT 2007 ACS on STN  
TI Genetic engineering of corn: sustainability of shoot  
tip meristem in genetic transformation

L15 ANSWER 17 OF 17 BIOSIS COPYRIGHT (c) 2007 The Thomson Corporation on  
STN  
TI Shoot meristem: An ideal explant for Zea  
mays (L.) transformation.

=> d 115 12,13,16,17 bib

L15 ANSWER 12 OF 17 CABA COPYRIGHT 2007 CABI on STN  
 AN 95:178258 CABA  
 DN 19951611377  
 TI Germline transformation of maize following manipulation of  
 chimeric shoot meristems  
 AU Lowe, K.; Bowen, B.; Hoerster, G.; Ross, M.; Bond, D.; Pierce, D.;  
 Gordon-Kamm, B.  
 CS Pioneer Hi-Bred International Inc., 7300 NW 62nd Avenue, PO Box 1004,  
 Johnston, IA 50131, USA.  
 SO Bio/Technology, (1995) Vol. 13, No. 7, pp. 677-682. 66 ref.  
 ISSN: 0733-222X  
 DT Journal  
 LA English  
 ED Entered STN: 20 Oct 1995  
 Last Updated on STN: 20 Oct 1995

L15 ANSWER 13 OF 17 CABA COPYRIGHT 2007 CABI on STN  
 AN 94:114759 CABA  
 DN 19941609347  
 TI Agrobacterium tumefaciens-mediated expression of gusA in maize tissues  
 AU Ritchie, S. W.; Lui, C. N.; Sellmer, J. C.; Kononowicz, H.; Hodges, T. K.;  
 Gelvin, S. B.  
 CS Department of Botany and Plant Pathology, Purdue University, West  
 Lafayette, IN 47907, USA.  
 SO Transgenic Research, (1993) Vol. 2, No. 5, pp. 252-265. 42 ref.  
 ISSN: 0962-8819  
 DT Journal  
 LA English  
 ED Entered STN: 2 Dec 1994  
 Last Updated on STN: 2 Dec 1994

L15 ANSWER 16 OF 17 CAPLUS COPYRIGHT 2007 ACS on STN  
 AN 2000:32635 CAPLUS  
 DN 132:318342  
 TI Genetic engineering of corn: sustainability of shoot  
 tip meristem in genetic transformation  
 AU Zhong, H.; Sticklen, M. B.  
 CS Novartis Agribusiness Biotechnology Research, Inc., RTP, NC, 27709, USA  
 SO Biotechnology in Agriculture and Forestry (2000), 46(Transgenic Crops I),  
 37-59  
 CODEN: BAFOEG; ISSN: 0934-943X  
 PB Springer-Verlag  
 DT Journal; General Review  
 LA English  
 RE.CNT 146 THERE ARE 146 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 17 OF 17 BIOSIS COPYRIGHT (c) 2007 The Thomson Corporation on  
 STN  
 AN 2003:313542 BIOSIS  
 DN PREV200300313542  
 TI Shoot meristem: An ideal explant for Zea  
 mays (L.) transformation.  
 AU Al-Abed, D. [Reprint Author]; Sairam, R. V. [Reprint Author]; Goldman, S.  
 L. [Reprint Author]  
 CS Plant Science Research Center, University of Toledo, Toledo, OH, 43606,  
 USA  
 diaa29@aol.com  
 SO In Vitro Cellular & Developmental Biology Plant, (Spring 2003) Vol. 39,  
 No. Abstract, pp. 22-A. print.  
 Meeting Info.: Congress on In Vitro Biology. Portland, Oregon, USA. May  
 31-June 04, 2003. Society for In Vitro Biology.  
 ISSN: 1054-5476 (ISSN print).  
 DT Conference; (Meeting)  
 Conference; Abstract; (Meeting Abstract)

LA English  
ED Entered STN: 2 Jul 2003  
Last Updated on STN: 2 Jul 2003

=> d his

(FILE 'HOME' ENTERED AT 16:05:54 ON 31 OCT 2007)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO' ENTERED AT 16:06:28 ON 31 OCT 2007

L1 44047 S (ZHANG S? OR ZHANG, S?)/AU  
L2 222 S (CARRIER, R? OR CARRIER R?)/AU  
L3 383 S (LEMAUX, P? OR LEMAU P?)/AU  
L4 0 S L1 AND L2 AND L3  
L5 44575 S L1 OR L2 OR L3  
L6 634 S L5 AND (CORN OR MAIZE OR ZEA)  
L7 18 S L6 AND SHOOT(W)MERISTEM  
L8 7 DUPLICATE REMOVE L7 (11 DUPLICATES REMOVED)  
L9 123 S L6 AND (TRANSFORM OR TRANSFORMED OR TRANSFORMATION)  
L10 110 S L9 NOT L7  
L11 1 S L10 AND MERISTEM  
L12 380 S MERISTEM(S)SHOOT(S)(CORN OR ZEA OR MAIZE)  
L13 51 S L12 AND (TRANSFORM OR TRANSFORMED OR TRANSFORMATION)  
L14 20 DUPLICATE REMOVE L13 (31 DUPLICATES REMOVED)  
L15 17 S L14 NOT L5

=> s l14 not l15

L16 3 L14 NOT L15

=> s l16 not l8

L17 0 L16 NOT L8

=> s shoot(w)meristem(s)stem

L18 141 SHOOT(W) MERISTEM(S) STEM

=> s shoot(w)meristem(s)stem(s)(corn or ze or maize)

L19 8 SHOOT(W) MERISTEM(S) STEM(S)(CORN OR ZEA OR MAIZE)

=> s l19 not l5

L20 8 L19 NOT L5

=> duplicate remove l20

DUPLICATE PREFERENCE IS 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO'  
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n  
PROCESSING COMPLETED FOR L20

L21 2 DUPLICATE REMOVE L20 (6 DUPLICATES REMOVED)

=> d l21 1-2 ti

L21 ANSWER 1 OF 2 AGRICOLA Compiled and distributed by the National  
Agricultural Library of the Department of Agriculture of the United States  
of America. It contains copyrighted materials. All rights reserved.  
(2007) on STN DUPLICATE 1

TI A homeobox gene with potential developmental control function in the  
meristem of the conifer Picea abies.

L21 ANSWER 2 OF 2 MEDLINE on STN DUPLICATE 2

TI A knotted1-like homeobox gene in Arabidopsis is expressed in the  
vegetative meristem and dramatically alters leaf morphology when  
overexpressed in transgenic plants.

=> s shoot(w)meristem(s)(corn or ze or maize)

L22 115 SHOOT(W) MERISTEM(S)(CORN OR ZEA OR MAIZE)

=> s l22 not l19  
L23 107 L22 NOT L19

=> s l23 and stem  
L24 9 L23 AND STEM

=> s l24 not l5  
L25 8 L24 NOT L5

=> duplicate remove l25  
DUPLICATE PREFERENCE IS 'MEDLINE, CABA, CAPLUS, BIOSIS, BIOTECHNO'  
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n  
PROCESSING COMPLETED FOR L25  
L26 2 DUPLICATE REMOVE L25 (6 DUPLICATES REMOVED)

=> d l26 1-2 ti

L26 ANSWER 1 OF 2 MEDLINE on STN DUPLICATE 1  
TI The fasciated ear2 gene encodes a leucine-rich repeat receptor-like protein that regulates shoot meristem proliferation in maize.

L26 ANSWER 2 OF 2 MEDLINE on STN DUPLICATE 2  
TI A homeobox gene with potential developmental control function in the meristem of the conifer Picea abies.

=> d his

(FILE 'HOME' ENTERED AT 16:05:54 ON 31 OCT 2007)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO' ENTERED AT 16:06:28 ON 31 OCT 2007

L1 44047 S (ZHANG S? OR ZHANG, S?)/AU  
L2 222 S (CARRIER, R? OR CARRIER R?)/AU  
L3 383 S (LEMAUX, P? OR LEMAU P?)/AU  
L4 0 S L1 AND L2 AND L3  
L5 44575 S L1 OR L2 OR L3  
L6 634 S L5 AND (CORN OR MAIZE OR ZEA)  
L7 18 S L6 AND SHOOT(W)MERISTEM  
L8 7 DUPLICATE REMOVE L7 (11 DUPLICATES REMOVED)  
L9 123 S L6 AND (TRANSFORM OR TRANSFORMED OR TRANSFORMATION)  
L10 110 S L9 NOT L7  
L11 1 S L10 AND MERISTEM  
L12 380 S MERISTEM(S)SHOOT(S)(CORN OR ZEA OR MAIZE)  
L13 51 S L12 AND (TRANSFORM OR TRANSFORMED OR TRANSFORMATION)  
L14 20 DUPLICATE REMOVE L13 (31 DUPLICATES REMOVED)  
L15 17 S L14 NOT L5  
L16 3 S L14 NOT L15  
L17 0 S L16 NOT L8  
L18 141 S SHOOT(W)MERISTEM(S)STEM  
L19 8 S SHOOT(W)MERISTEM(S)STEM(S)(CORN OR ZEA OR MAIZE)  
L20 8 S L19 NOT L5  
L21 2 DUPLICATE REMOVE L20 (6 DUPLICATES REMOVED)  
L22 115 S SHOOT(W)MERISTEM(S)(CORN OR ZEA OR MAIZE)  
L23 107 S L22 NOT L19  
L24 9 S L23 AND STEM  
L25 8 S L24 NOT L5  
L26 2 DUPLICATE REMOVE L25 (6 DUPLICATES REMOVED)

=> s shoot(w)meristem(p)(corn or zea or maize)  
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH  
FIELD CODE - 'AND' OPERATOR ASSUMED 'MERISTEM(P)(CORN'  
L27 168 SHOOT(W) MERISTEM(P)(CORN OR ZEA OR MAIZE)

=> s shoot(w)meristem(p)(corn or zea or maize)  
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH  
FIELD CODE - 'AND' OPERATOR ASSUMED 'MERISTEM(P)(CORN'  
L28 168 SHOOT(W) MERISTEM(P)(CORN OR ZEA OR MAIZE)

=> s l28 not l22  
L29 53 L28 NOT L22

=> s l29 not l5  
L30 49 L29 NOT L5

=> duplicate remove l30  
DUPLICATE PREFERENCE IS 'MEDLINE, CAPLUS, BIOSIS, BIOTECHNO'  
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n  
PROCESSING COMPLETED FOR L30  
L31 28 DUPLICATE REMOVE L30 (21 DUPLICATES REMOVED)

=> d l31 1-10 ti

L31 ANSWER 1 OF 28 MEDLINE on STN DUPLICATE 1  
TI L1 division and differentiation patterns influence shoot apical meristem maintenance.

L31 ANSWER 2 OF 28 MEDLINE on STN DUPLICATE 2  
TI Control of phyllotaxy by the cytokinin-inducible response regulator homologue ABPHYL1.

L31 ANSWER 3 OF 28 BIOTECHNO COPYRIGHT 2007 Elsevier Science B.V. on STN  
TI Intercellular trafficking of a KNOTTED1 green fluorescent protein fusion in the leaf and shoot meristem of Arabidopsis

L31 ANSWER 4 OF 28 MEDLINE on STN DUPLICATE 3  
TI Mutations in two independent genes lead to suppression of the shoot apical meristem in maize.

L31 ANSWER 5 OF 28 CAPLUS COPYRIGHT 2007 ACS on STN  
TI The regulation of compound leaf development

L31 ANSWER 6 OF 28 CAPLUS COPYRIGHT 2007 ACS on STN  
TI Seed plants exhibiting early reproductive development based on genetic engineering of floral meristem identity genes

L31 ANSWER 7 OF 28 BIOSIS COPYRIGHT (c) 2007 The Thomson Corporation on STN  
TI Maize and cauliflower apetalai gene products and nucleic acid molecules encoding same.

L31 ANSWER 8 OF 28 MEDLINE on STN DUPLICATE 4  
TI Analysis of four embryo-specific mutants in Zea mays reveals that incomplete radial organization of the proembryo interferes with subsequent development.

L31 ANSWER 9 OF 28 MEDLINE on STN DUPLICATE 5  
TI Control of phyllotaxy in maize by the abphyll gene.

L31 ANSWER 10 OF 28 CAPLUS COPYRIGHT 2007 ACS on STN DUPLICATE 6  
TI Regulation of xylem transport of calcium from roots to shoot of maize by growth-related demand

=> d l31 11-20 ti

L31 ANSWER 11 OF 28 CAPLUS COPYRIGHT 2007 ACS on STN  
TI Seed plants exhibiting early reproductive development based on genetic engineering of floral meristem identity genes

L31 ANSWER 12 OF 28 CAPLUS COPYRIGHT 2007 ACS on STN  
 TI Seed plants exhibiting early reproductive development based on genetic engineering of floral meristem identity genes

L31 ANSWER 13 OF 28 CAPLUS COPYRIGHT 2007 ACS on STN  
 TI Seed plants exhibiting early reproductive development based on genetic engineering of floral meristem identity genes

L31 ANSWER 14 OF 28 CAPLUS COPYRIGHT 2007 ACS on STN DUPLICATE 7  
 TI The maize gene empty pericarp-2 is required for progression beyond early stages of embryogenesis

L31 ANSWER 15 OF 28 MEDLINE on STN DUPLICATE 8  
 TI Novel, developmentally specific control of Ds transposition in maize.

L31 ANSWER 16 OF 28 CAPLUS COPYRIGHT 2007 ACS on STN DUPLICATE 9  
 TI Effect of root zone temperature and shoot demand on nitrogen translocation from the roots to the shoot in maize supplied with nitrate or ammonium

L31 ANSWER 17 OF 28 CAPLUS COPYRIGHT 2007 ACS on STN DUPLICATE 10  
 TI Effects of suboptimal root zone temperatures and shoot demand on net translocation of micronutrients from the roots to the shoot of maize

L31 ANSWER 18 OF 28 MEDLINE on STN DUPLICATE 11  
 TI Coordinate suppression of mutations caused by Robertson's mutator transposons in maize.

L31 ANSWER 19 OF 28 CAPLUS COPYRIGHT 2007 ACS on STN DUPLICATE 12  
 TI Influence of the form of nitrogen supply on root uptake and translocation of cations in the xylem exudate of maize (Zea mays L.)

L31 ANSWER 20 OF 28 CAPLUS COPYRIGHT 2007 ACS on STN  
 TI Molecular biology of cold tolerance

=> d l3121-28 ti

'L3121-28' IS NOT A VALID FORMAT

In a multifile environment, a format can only be used if it is valid in at least one of the files. Refer to file specific help messages or the STNGUIDE file for information on formats available in individual files.

REENTER DISPLAY FORMAT FOR ALL FILES (FILEDEFAULT):l31

'L205' IS NOT A VALID FORMAT

In a multifile environment, a format can only be used if it is valid in at least one of the files. Refer to file specific help messages or the STNGUIDE file for information on formats available in individual files.

REENTER DISPLAY FORMAT FOR ALL FILES (FILEDEFAULT):d l31 21-28 ti

'D' IS NOT A VALID FORMAT

In a multifile environment, a format can only be used if it is valid in at least one of the files. Refer to file specific help messages or the STNGUIDE file for information on formats available in individual files.

REENTER DISPLAY FORMAT FOR ALL FILES (FILEDEFAULT):ti

L31 ANSWER 1 OF 28 MEDLINE on STN DUPLICATE 1  
 TI L1 division and differentiation patterns influence shoot apical meristem maintenance.

=> d l31 21-28 ti

L31 ANSWER 21 OF 28 CAPLUS COPYRIGHT 2007 ACS on STN DUPLICATE 13  
 TI Pyrolysis mass spectrometry of developmental stages of maize somatic

embryos

L31 ANSWER 22 OF 28 CAPLUS COPYRIGHT 2007 ACS on STN DUPLICATE 14  
TI Differences between maize and wheat in growth-related nutrient demand and uptake of potassium and phosphorus at suboptimal root zone temperatures

L31 ANSWER 23 OF 28 CAPLUS COPYRIGHT 2007 ACS on STN DUPLICATE 15  
TI Effect of root zone temperature and shoot demand on uptake and xylem transport of macronutrients in maize (Zea mays L.)

L31 ANSWER 24 OF 28 BIOSIS COPYRIGHT (c) 2007 The Thomson Corporation on STN  
TI ROOT TO SHOOT TRANSLOCATION OF MACRONUTRIENTS IN RELATION TO SHOOT DEMAND IN MAIZE ZEA-MAYS L. GROWN AT DIFFERENT ROOT ZONE TEMPERATURES.

L31 ANSWER 25 OF 28 BIOSIS COPYRIGHT (c) 2007 The Thomson Corporation on STN  
TI HISTOLOGICAL COMPARISON OF SINGLE SOMATIC EMBRYOS OF MAIZE FROM SUSPENSION CULTURE WITH SOMATIC EMBRYOS ATTACHED TO CALLUS CELLS.

L31 ANSWER 26 OF 28 BIOSIS COPYRIGHT (c) 2007 The Thomson Corporation on STN  
TI DEVELOPMENTAL MORPHOLOGY AND CYTOLOGY OF THE YOUNG MAIZE EMBRYO ZEA-MAYS.

L31 ANSWER 27 OF 28 CAPLUS COPYRIGHT 2007 ACS on STN  
TI Experimental induction of a normal morphological phenocopy of an inflorescence in a Zea mays mutant

L31 ANSWER 28 OF 28 BIOSIS COPYRIGHT (c) 2007 The Thomson Corporation on STN  
TI Effect of root zone temperature on corn leaf morphology.

=> d his

(FILE 'HOME' ENTERED AT 16:05:54 ON 31 OCT 2007)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO' ENTERED AT 16:06:28 ON 31 OCT 2007

L1 44047 S (ZHANG S? OR ZHANG, S?)/AU  
L2 222 S (CARRIER, R? OR CARRIER R?)/AU  
L3 383 S (LEMAUX, P? OR LEMAU P?)/AU  
L4 0 S L1 AND L2 AND L3  
L5 44575 S L1 OR L2 OR L3  
L6 634 S L5 AND (CORN OR MAIZE OR ZEA)  
L7 18 S L6 AND SHOOT(W)MERISTEM  
L8 7 DUPLICATE REMOVE L7 (11 DUPLICATES REMOVED)  
L9 123 S L6 AND (TRANSFORM OR TRANSFORMED OR TRANSFORMATION)  
L10 110 S L9 NOT L7  
L11 1 S L10 AND MERISTEM  
L12 380 S MERISTEM(S)SHOOT(S) (CORN OR ZEA OR MAIZE)  
L13 51 S L12 AND (TRANSFORM OR TRANSFORMED OR TRANSFORMATION)  
L14 20 DUPLICATE REMOVE L13 (31 DUPLICATES REMOVED)  
L15 17 S L14 NOT L5  
L16 3 S L14 NOT L15  
L17 0 S L16 NOT L8  
L18 141 S SHOOT(W)MERISTEM(S)STEM  
L19 8 S SHOOT(W)MERISTEM(S)STEM(S) (CORN OR ZEA OR MAIZE)  
L20 8 S L19 NOT L5  
L21 2 DUPLICATE REMOVE L20 (6 DUPLICATES REMOVED)  
L22 115 S SHOOT(W)MERISTEM(S) (CORN OR ZEA OR MAIZE)  
L23 107 S L22 NOT L19  
L24 9 S L23 AND STEM  
L25 8 S L24 NOT L5  
L26 2 DUPLICATE REMOVE L25 (6 DUPLICATES REMOVED)



L27 168 S SHOOT(W)MERISTEM(P) (CORN OR ZEA OR MAIZE)  
 L28 168 S SHOOT(W)MERISTEM(P) (CORN OR ZEA OR MAIZE)  
 L29 53 S L28 NOT L22  
 L30 49 S L29 NOT L5  
 L31 28 DUPLICATE REMOVE L30 (21 DUPLICATES REMOVED)

=> file uspatfull

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	143.91	144.12
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.78	-0.78

FILE 'USPATFULL' ENTERED AT 16:25:38 ON 31 OCT 2007  
 CA INDEXING COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS)

FILE COVERS 1971 TO PATENT PUBLICATION DATE: 30 Oct 2007 (20071030/PD)  
 FILE LAST UPDATED: 30 Oct 2007 (20071030/ED)  
 HIGHEST GRANTED PATENT NUMBER: US7290289  
 HIGHEST APPLICATION PUBLICATION NUMBER: US2007250975  
 CA INDEXING IS CURRENT THROUGH 30 Oct 2007 (20071030/UPCA)  
 ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 30 Oct 2007 (20071030/PD)  
 REVISED CLASS FIELDS (/NCL) LAST RELOADED: Aug 2007  
 USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Aug 2007

=> s 14

591 ZHANG S?/AU  
 591 ZHANG, S?/AU  
 13 CARRIER, R?/AU  
 13 CARRIER R?/AU  
 21 LEMAUX, P?/AU  
 21 LEMAUX P?/AU  
 L32 1 L1 AND L2 AND L3

=> d 132 bib

L32 ANSWER 1 OF 1 USPATFULL on STN  
 AN 2006:204480 USPATFULL  
 TI Methods and compositions for transformation and regeneration of maize  
 IN Zhang, Shibo, Albany, CA, UNITED STATES  
 Carrier, Rosalind, Springfield, OR, UNITED STATES  
 Lemaux, Peggy G, Moraga, CA, UNITED STATES  
 PI US 2006174367 A1 20060803  
 AI US 2003-526663 A1 20030903 (10)  
 WO 2003-US27565 20030903  
 20060119 PCT 371 date  
 PRAI US 2002-408142P 20020903 (60)  
 DT Utility  
 FS APPLICATION  
 LREP MORRISON & FOERSTER LLP, 425 MARKET STREET, SAN FRANCISCO, CA,  
 94105-2482, US  
 CLMN Number of Claims: 21  
 ECL Exemplary Claim: 1  
 DRWN 5 Drawing Page(s)  
 LN.CNT 1200  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> s 16

591 ZHANG S?/AU  
 591 ZHANG, S?/AU  
 13 CARRIER, R?/AU

13 CARRIER R?/AU  
 21 LEMAUX, P?/AU  
 21 LEMAUX P?/AU  
 114418 CORN  
 33534 MAIZE  
 9896 ZEA  
 L33 96 L5 AND (CORN OR MAIZE OR ZEA)

=> s 17

591 ZHANG S?/AU  
 591 ZHANG, S?/AU  
 13 CARRIER, R?/AU  
 13 CARRIER R?/AU  
 21 LEMAUX, P?/AU  
 21 LEMAUX P?/AU  
 114418 CORN  
 33534 MAIZE  
 9896 ZEA  
 22633 SHOOT  
 4234 MERISTEM  
 606 SHOOT(W) MERISTEM  
 L34 10 L6 AND SHOOT(W) MERISTEM

=> s 134 not 132

L35 9 L34 NOT L32

=> d 135 1-9 ti

L35 ANSWER 1 OF 9 USPATFULL on STN  
 TI Compositions and methods for plant transformation and regeneration

L35 ANSWER 2 OF 9 USPATFULL on STN  
 TI Value-added traits in grain and seed transformed with thioredoxin

L35 ANSWER 3 OF 9 USPATFULL on STN  
 TI Value-added traits in grain and seed transformed with thioredoxin

L35 ANSWER 4 OF 9 USPATFULL on STN  
 TI Barley gene for thioredoxin and NADP-thioredoxin reductase

L35 ANSWER 5 OF 9 USPATFULL on STN  
 TI Transgenic plants with elevated thioredoxin levels

L35 ANSWER 6 OF 9 USPATFULL on STN  
 TI Methods and compositions for transformation of cereals using cultured shoot meristematic tissue

L35 ANSWER 7 OF 9 USPATFULL on STN  
 TI Barley gene for Thioredoxin and NADP-thioredoxin reductase

L35 ANSWER 8 OF 9 USPATFULL on STN  
 TI Compositions and methods for plant transformation and regeneration

L35 ANSWER 9 OF 9 USPATFULL on STN  
 TI Compositions and methods for plant transformation and regeneration

=> d 135 1,6,8,9 bib

L35 ANSWER 1 OF 9 USPATFULL on STN  
 AN 2006:230185 USPATFULL  
 TI Compositions and methods for plant transformation and regeneration  
 IN Lemaux, Peggy G., Moraga, CA, UNITED STATES  
 Cho, Myeong-Je, Alameda, CA, UNITED STATES  
 PA The Regents of the University of California, Oakland, CA, UNITED STATES

(U.S. corporation)  
PI US 7102056 B1 20060905  
AI US 2000-552252 20000418 (9)  
RLI Continuation-in-part of Ser. No. US 1997-845939, filed on 29 Apr 1997,  
Pat. No. US 6235529  
DT Utility  
FS GRANTED  
EXNAM Primary Examiner: Bui, Phuong T.; Assistant Examiner: Helmer, Georgia L.  
LREP Morrison & Foerster LLP  
CLMN Number of Claims: 22  
ECL Exemplary Claim: 1  
DRWN 2 Drawing Figure(s); 1 Drawing Page(s)  
LN.CNT 4314  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L35 ANSWER 6 OF 9 USPATFULL on STN  
AN 2002:311085 USPATFULL  
TI Methods and compositions for transformation of cereals using cultured  
shoot meristematic tissue  
IN Zhang, Shibo, Albany, CA, United States  
Cho, Myeong-Je, Alameda, CA, United States  
Bregitzer, Phillip, American Falls, ID, United States  
Lemaux, Peggy G., Moraga, CA, United States  
PA The Regents of the University of California, Oakland, CA, United States  
(U.S. corporation)  
The United States of America as represented by the Secretary of  
Agriculture, Washington, DC, United States (U.S. corporation)  
PI US 6486384 B1 20021126  
AI US 1998-159317 19980923 (9)  
PRAI US 1997-59873P 19970924 (60)  
DT Utility  
FS GRANTED  
EXNAM Primary Examiner: Fox, David T.; Assistant Examiner: Kruse, David H  
LREP Morrison & Foerster LLP  
CLMN Number of Claims: 7  
ECL Exemplary Claim: 1  
DRWN 0 Drawing Figure(s); 0 Drawing Page(s)  
LN.CNT 2173

L35 ANSWER 8 OF 9 USPATFULL on STN  
AN 2001:182338 USPATFULL  
TI Compositions and methods for plant transformation and regeneration  
IN Lemaux, Peggy G., Moraga, CA, United States  
Cho, Myeong-Je, Alameda, CA, United States  
PA The Regents of University of California (U.S. corporation)  
PI US 2001031496 A1 20011018  
US 6541257 B2 20030401  
AI US 2001-825217 A1 20010403 (9)  
RLI Division of Ser. No. US 1997-845939, filed on 29 Apr 1997, GRANTED, Pat.  
No. US 6235529  
DT Utility  
FS APPLICATION  
LREP ALSTON & BIRD LLP, BANK OF AMERICA PLAZA, 101 SOUTH TRYON STREET, SUITE  
4000, CHARLOTTE, NC, 28280-4000  
CLMN Number of Claims: 20  
ECL Exemplary Claim: 1  
DRWN 1 Drawing Page(s)  
LN.CNT 1867  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L35 ANSWER 9 OF 9 USPATFULL on STN  
AN 2001:75182 USPATFULL  
TI Compositions and methods for plant transformation and regeneration  
IN Lemaux, Peggy G., Moraga, CA, United States  
Cho, Myeong-Je, Alameda, CA, United States

PA The Regents of the University of California, Oakland, CA, United States  
(U.S. corporation)  
PI US 6235529 B1 20010522  
AI US 1997-845939 19970429 (8)  
DT Utility  
FS Granted  
EXNAM Primary Examiner: Fox, David T.; Assistant Examiner: Zaghmout, Ousama  
LREP Alston & Bird LLP  
CLMN Number of Claims: 14  
ECL Exemplary Claim: 1  
DRWN 2 Drawing Figure(s); 1 Drawing Page(s)  
LN.CNT 1920  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d his

(FILE 'HOME' ENTERED AT 16:05:54 ON 31 OCT 2007)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO' ENTERED AT  
16:06:28 ON 31 OCT 2007

L1 44047 S (ZHANG S? OR ZHANG, S?)/AU  
L2 222 S (CARRIER, R? OR CARRIER R?)/AU  
L3 383 S (LEMAUX, P? OR LEMAU P?)/AU  
L4 0 S L1 AND L2 AND L3  
L5 44575 S L1 OR L2 OR L3  
L6 634 S L5 AND (CORN OR MAIZE OR ZEA)  
L7 18 S L6 AND SHOOT(W)MERISTEM  
L8 7 DUPLICATE REMOVE L7 (11 DUPLICATES REMOVED)  
L9 123 S L6 AND (TRANSFORM OR TRANSFORMED OR TRANSFORMATION)  
L10 110 S L9 NOT L7  
L11 1 S L10 AND MERISTEM  
L12 380 S MERISTEM(S)SHOOT(S) (CORN OR ZEA OR MAIZE)  
L13 51 S L12 AND (TRANSFORM OR TRANSFORMED OR TRANSFORMATION)  
L14 20 DUPLICATE REMOVE L13 (31 DUPLICATES REMOVED)  
L15 17 S L14 NOT L5  
L16 3 S L14 NOT L15  
L17 0 S L16 NOT L8  
L18 141 S SHOOT(W)MERISTEM(S)STEM  
L19 8 S SHOOT(W)MERISTEM(S)STEM(S) (CORN OR ZEA OR MAIZE)  
L20 8 S L19 NOT L5  
L21 2 DUPLICATE REMOVE L20 (6 DUPLICATES REMOVED)  
L22 115 S SHOOT(W)MERISTEM(S) (CORN OR ZEA OR MAIZE)  
L23 107 S L22 NOT L19  
L24 9 S L23 AND STEM  
L25 8 S L24 NOT L5  
L26 2 DUPLICATE REMOVE L25 (6 DUPLICATES REMOVED)  
L27 168 S SHOOT(W)MERISTEM(P) (CORN OR ZEA OR MAIZE)  
L28 168 S SHOOT(W)MERISTEM(P) (CORN OR ZEA OR MAIZE)  
L29 53 S L28 NOT L22  
L30 49 S L29 NOT L5  
L31 28 DUPLICATE REMOVE L30 (21 DUPLICATES REMOVED)

FILE 'USPATFULL' ENTERED AT 16:25:38 ON 31 OCT 2007

L32 1 S L4  
L33 96 S L6  
L34 10 S L7  
L35 9 S L34 NOT L32

=> s 113

4234 MERISTEM  
22633 SHOOT  
114418 CORN  
9896 ZEA  
33534 MAIZE

244 MERISTEM(S) SHOOT(S) (CORN OR ZEA OR MAIZE)  
 173801 TRANSFORM  
 230650 TRANSFORMED  
 203736 TRANSFORMATION  
 L36 242 L12 AND (TRANSFORM OR TRANSFORMED OR TRANSFORMATION)  
 => s 119  
 22633 SHOOT  
 4234 MERISTEM  
 192369 STEM  
 114418 CORN  
 9896 ZEA  
 33534 MAIZE  
 L37 41 SHOOT(W) MERISTEM(S) STEM(S) (CORN OR ZEA OR MAIZE)  
 => s 137 not 133  
 L38 39 L37 NOT L33  
 => d 138 1-10 ti  
 L38 ANSWER 1 OF 39 USPATFULL on STN  
 TI Potato transcription factors, methods of use thereof, and a method for enhancing tuber development  
 L38 ANSWER 2 OF 39 USPATFULL on STN  
 TI Nucleic acid sequences from Chlorella sarokiniana and uses thereof  
 L38 ANSWER 3 OF 39 USPATFULL on STN  
 TI Nucleic acid molecules associated with plant cell proliferation and growth and uses thereof  
 L38 ANSWER 4 OF 39 USPATFULL on STN  
 TI Control of fruit dehiscence in plants by indehiscent1 genes  
 L38 ANSWER 5 OF 39 USPATFULL on STN  
 TI Methods of modulating cytokinin related processes in a plant using B3 domain proteins  
 L38 ANSWER 6 OF 39 USPATFULL on STN  
 TI Nucleic acid sequences from diabrotica virgifera virgifera LeConte and uses thereof  
 L38 ANSWER 7 OF 39 USPATFULL on STN  
 TI Brassica INDEHISCENT1 sequences  
 L38 ANSWER 8 OF 39 USPATFULL on STN  
 TI Polynucleotides encoding proteins involved in plant metabolism  
 L38 ANSWER 9 OF 39 USPATFULL on STN  
 TI Low maintenance turfgrass  
 L38 ANSWER 10 OF 39 USPATFULL on STN  
 TI Methods for using artificial polynucleotides and compositions thereof to reduce transgene silencing  
 => d 138 11-20 ti  
 L38 ANSWER 11 OF 39 USPATFULL on STN  
 TI Method of increasing plant organ and seed size in a plant  
 L38 ANSWER 12 OF 39 USPATFULL on STN  
 TI Glyphosate resistant class i 5-enolpyruvylshikimate-3-phosphate synthase(epsps)

L38 ANSWER 13 OF 39 USPATFULL on STN  
 TI Control of fruit dehiscence in Arabidopsis by indehiscent1 genes

L38 ANSWER 14 OF 39 USPATFULL on STN  
 TI Control of fruit dehiscence in Arabidopsis by indehiscent1 genes

L38 ANSWER 15 OF 39 USPATFULL on STN  
 TI Low maintenance turfgrass

L38 ANSWER 16 OF 39 USPATFULL on STN  
 TI Potato genes for resistance to late blight

L38 ANSWER 17 OF 39 USPATFULL on STN  
 TI Plant-derived vaccines against respiratory syncytial virus

L38 ANSWER 18 OF 39 USPATFULL on STN  
 TI Control of fruit dehiscence in plants by indehiscent1 genes

L38 ANSWER 19 OF 39 USPATFULL on STN  
 TI Genes which produce staygreen characteristics in maize and their uses

L38 ANSWER 20 OF 39 USPATFULL on STN  
 TI Engineered rna translocators

=> d 138 21-29 ti

L38 ANSWER 21 OF 39 USPATFULL on STN  
 TI Vectors and cells for preparing immunoprotective compositions derived from transgenic plants

L38 ANSWER 22 OF 39 USPATFULL on STN  
 TI Methods and substances for preventing and treating autoimmune disease

L38 ANSWER 23 OF 39 USPATFULL on STN  
 TI Polynucleotides useful for modulating transcription

L38 ANSWER 24 OF 39 USPATFULL on STN  
 TI Leafy cotyledon1 genes and their uses

L38 ANSWER 25 OF 39 USPATFULL on STN  
 TI Expression of immunogenic hepatitis B surface antigens in transgenic plants

L38 ANSWER 26 OF 39 USPATFULL on STN  
 TI Polynucleotides and polypeptides in plants

L38 ANSWER 27 OF 39 USPATFULL on STN  
 TI Methods of modulating cytokinin related processes in a plant using B3 domain proteins

L38 ANSWER 28 OF 39 USPATFULL on STN  
 TI Yield-related polynucleotides and polypeptides in plants

L38 ANSWER 29 OF 39 USPATFULL on STN  
 TI Genes for modifying plant traits xi

=> d 138 30-39 ti

L38 ANSWER 30 OF 39 USPATFULL on STN  
 TI Orally immunogenic bacterial enterotoxins expressed in transgenic plants

L38 ANSWER 31 OF 39 USPATFULL on STN  
 TI Expression of immunogenic hepatitis B surface antigens in transgenic

plants

L38 ANSWER 32 OF 39 USPATFULL on STN  
TI Polynucleotides useful for modulating transcription

L38 ANSWER 33 OF 39 USPATFULL on STN  
TI Leafy cotyledon2 genes and their uses

L38 ANSWER 34 OF 39 USPATFULL on STN  
TI Nucleic acid molecules associated with plant cell proliferation and growth and uses thereof

L38 ANSWER 35 OF 39 USPATFULL on STN  
TI Polynucleotides encoding proteins involved in plant metabolism,

L38 ANSWER 36 OF 39 USPATFULL on STN  
TI Methods and compositions for independent DNA replication in eukaryotic cells

L38 ANSWER 37 OF 39 USPATFULL on STN  
TI METHODS AND SUBSTANCES FOR PREVENTING AND TREATING AUTOIMMUNE DISEASE

L38 ANSWER 38 OF 39 USPATFULL on STN  
TI Leafy cotyledon1 genes and their uses

L38 ANSWER 39 OF 39 USPATFULL on STN  
TI Leafy cotyledon1 genes and methods of modulating embryo development in transgenic plants

=> d his

(FILE 'HOME' ENTERED AT 16:05:54 ON 31 OCT 2007)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO' ENTERED AT 16:06:28 ON 31 OCT 2007

L1 44047 S (ZHANG S? OR ZHANG, S?)/AU  
L2 222 S (CARRIER, R? OR CARRIER R?)/AU  
L3 383 S (LEMAUX, P? OR LEMAU P?)/AU  
L4 0 S L1 AND L2 AND L3  
L5 44575 S L1 OR L2 OR L3  
L6 634 S L5 AND (CORN OR MAIZE OR ZEA)  
L7 18 S L6 AND SHOOT(W)MERISTEM  
L8 7 DUPLICATE REMOVE L7 (11 DUPLICATES REMOVED)  
L9 123 S L6 AND (TRANSFORM OR TRANSFORMED OR TRANSFORMATION)  
L10 110 S L9 NOT L7  
L11 1 S L10 AND MERISTEM  
L12 380 S MERISTEM(S)SHOOT(S) (CORN OR ZEA OR MAIZE)  
L13 51 S L12 AND (TRANSFORM OR TRANSFORMED OR TRANSFORMATION)  
L14 20 DUPLICATE REMOVE L13 (31 DUPLICATES REMOVED)  
L15 17 S L14 NOT L5  
L16 3 S L14 NOT L15  
L17 0 S L16 NOT L8  
L18 141 S SHOOT(W)MERISTEM(S)STEM  
L19 8 S SHOOT(W)MERISTEM(S)STEM(S) (CORN OR ZEA OR MAIZE)  
L20 8 S L19 NOT L5  
L21 2 DUPLICATE REMOVE L20 (6 DUPLICATES REMOVED)  
L22 115 S SHOOT(W)MERISTEM(S) (CORN OR ZEA OR MAIZE)  
L23 107 S L22 NOT L19  
L24 9 S L23 AND STEM  
L25 8 S L24 NOT L5  
L26 2 DUPLICATE REMOVE L25 (6 DUPLICATES REMOVED)  
L27 168 S SHOOT(W)MERISTEM(P) (CORN OR ZEA OR MAIZE)  
L28 168 S SHOOT(W)MERISTEM(P) (CORN OR ZEA OR MAIZE)  
L29 53 S L28 NOT L22

L30 49 S L29 NOT L5  
L31 28 DUPLICATE REMOVE L30 (21 DUPLICATES REMOVED)

FILE 'USPATFULL' ENTERED AT 16:25:38 ON 31 OCT 2007

L32 1 S L4  
L33 96 S L6  
L34 10 S L7  
L35 9 S L34 NOT L32  
L36 242 S L13  
L37 41 S L19  
L38 39 S L37 NOT L33

=> logoff

ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF

LOGOFF? (Y)/N/HOLD:y

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
18.23	162.35

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
0.00	-0.78

CA SUBSCRIBER PRICE

STN INTERNATIONAL LOGOFF AT 16:31:02 ON 31 OCT 2007